

ABSTRACT

5 A composite material comprised of polymeric beads and
adhesive, primarily intended for use in constructing buildings, athletic
fields, waste pond covers, packaging, contact sports gear and medial
equipment, is comprised of a plurality of electrical excitation zone-
treated beads having average diameters between about 1 mm and
about 10 mm that are substantially coated with the adhesive material
and used in quantities such that void spaces constitute at least about
10 percent by volume of the total volume of the composite material.
10 Upon curing, said adhesive preferably has hardness levels ranging
from about Shore A 20 to about Shore A 95.